



**450W**

# MAGNESIUM PALM BELT SANDER

PBSM  
INSTRUCTION MANUAL

**GMC**<sup>®</sup>  
**GLOBAL MACHINERY COMPANY**

Black

Magenta

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## Warranty Power Tools

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be repaired or replaced free of charge with another of the same item. A small freight charge may apply. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use. It also does not cover any bonus items or included accessories. Only the power tool is covered under this warranty.

With continuing product development, changes may have occurred which render the product received slightly different to that shown in this instruction manual.

Please ensure that you store your receipt in a safe place.

Conditions apply to the above warranty. For full details of the warranty terms and conditions please refer to our website – [www.gmcompany.com](http://www.gmcompany.com)

For prompt service we suggest you log your service request online - [www.gmcservice.com.au](http://www.gmcservice.com.au), should you not have access to the internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

## Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

**CAUTION.** Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.

Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

## Environmental protection



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

## Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection.

Wear eye protection.

Wear breathing protection.



Double insulated for additional protection.



N380

Conforms to relevant standards for electromagnetic compatibility.

## Specifications

Voltage:	230–240Vac ~ 50 Hz
Input power:	450W
No load speed:	340m/min
Insulation:	Double insulated
Sanding area:	64mm x 90mm
Sanding belt size:	64mm x 406mm
Weight:	2.1kg
Sound pressure level:	87.6dB(A)

## General safety rules

**WARNING.** Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

### Save these instructions

#### 1. Work area

- a. Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- b. Do not operate power tools in explosive atmospheres,** such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c. Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### 2. Electrical safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way.** Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c. Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e. When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

#### 3. Personal safety

- a. Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
  - b. Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
  - c. Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
  - d. Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
  - e. Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
  - f. Dress properly. Do not wear loose clothing or jewellery.** Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
  - g. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.
- #### 4. Power tool use and care
- a. Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
  - b. Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

- c. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

## 5. Service

- a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## Additional safety rules for sanders

**WARNINGS.** Before connecting a tool to a power source (mains switch power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool. In if doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

**Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the sanding belt.**

- Fully unwind cable drum extensions to avoid potential overheating.
- When an extension cable is required, you must ensure that it has the right ampere rating for your power tool and is in safe electrical condition.
- After long working periods external metal parts and accessories could be hot.
- If possible, always use clamps or a vice to hold your work.
- Always switch off before you put the sander down.
- Do not force the sander; let the tool do the work at a reasonable speed. Overloading will occur if too much pressure is applied and the motor slows resulting in inefficient sanding and possible damage to the sander motor.
- When sanding wood, always connect the dust bag or use a dust extraction system.
- Before using the sander with metal, always remove the dust bag from the outlet as sparks may ignite the dust or the bag.
- Do not continue to use worn, torn or heavily clogged sanding belts.
- Do not touch the moving sanding belt.
- Ensure that you have removed foreign objects such as nails and screws from the work before commencing sanding.
- Rags, cloths, cord, string and the like should never be left around the work area.
- Use safety equipment including safety goggles or shield, ear protection, dust mask and protective clothing including safety gloves.

**Wear goggles**

**Wear earmuffs**

**Wear a breathing mask**

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to the lungs if an effective dust mask is not worn.
- Damage to hearing if effective earmuffs are not worn.

## Unpacking

Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

## Contents of carton

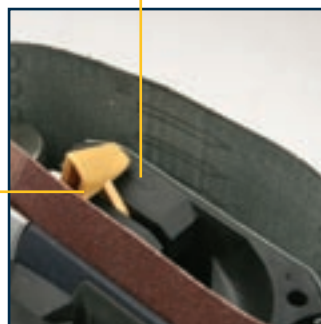
- 5 x 60 Grit sanding belts (1 fitted on product)
- Dust extraction adaptor

## Assembly

The Sander is packed, fully assembled, apart from the dust canister.

## Know your product

1. On/Off switch
2. Main handle
3. Micro adjustment knob for belt tracking
4. Belt tension release lever
5. Dust/Chip extraction port
6. Drive roller
7. Belt direction indicator
8. Front belt roller





## Switching on and off

1. Press the "I" switch to turn the power on, and the "O" to switch the power off.



## Attaching a sanding belt

**WARNING.** Switch off the sander and disconnect it from the power point.

1. Pull the belt tension release lever (4) and slide off the old belt.



2. Check that the replacement belt has a good join and is not frayed at the edges.
3. Slip the new belt into position with the rotation arrow on the inside of the belt pointing in the same direction as the arrow on the sander.

**Note.** When doing this try to place the belt as central as possible on the front and rear rollers

4. Push the Belt Tension release lever (4) back into place to tension the belt onto the machine.
5. Before use, the new belt must be checked and aligned for correct tracking on the rollers. Plug the sander into a

power point and with the sander held tight, press the "I" switch (1) and allow the belt to rotate for a short period.

6. Whilst the belt is running, adjust the micro adjustment knob for belt tracking (3) to align the belt to the centre of the front roller (8).
7. Make fine adjustments only and wait a few seconds between each adjustment as there is a short delay in the response of the adjustment before it effects the belt tracking on the rollers.
8. Repeat the micro adjustment knob for belt tracking until the belt is correctly aligned.
9. Run the sander for a minute or so to ensure correct alignment before using the sander on a work piece.



**WARNING.** Do not continue to use the sander with a sanding belt that is worn or damaged.

**WARNING.** Do not use a sanding belt designed for sanding wood on metal. Metal particles become embedded in the belt and will scour a wooden surface.

## Selecting the right grade of sanding belt

Different grades of sanding belt can be purchased from your local hardware store. Typical grades are Coarse (40 grit), Medium (80 and 100 grit) and Fine (120 grit).

Use Coarse grade to remove rough finishes, Medium grade to smooth the work and Fine grade to finish it off. It is best to make a trial run on a scrap piece of material to determine the optimum grades of belt for a particular job.

In order to take full advantage of your sander, always purchase good quality belts.





**Note.** After sanding with a belt sander, an orbital sander should be used to give a finer surface finish.

## Sanding

**WARNING.** The sander is designed for most sanding operations but it is not to be used as a wet sander.

The sander is designed for sanding wood, plastic and similar materials. It is used mainly for quickly removing a large amount of material. Do not use this sander for sanding magnesium.

1. Ensure that the belt is in good condition.
2. Plug the tool into a power socket.

3. Bring down the sander onto the work piece and apply light pressure. Do not apply too much pressure on the palm belt sander. Pushing down too hard on the belt sander may cause damage or reduce the life of the product



4. Press the "I" switch (1) and allow the belt to reach full speed before moving it across the work.

5. To remove paint or smooth very rough wood, sand across the grain at 45° in two directions, and then finish parallel with the grain.



6. Bring down the sander onto the workpiece and apply light pressure. For best results use the sander in a linear motion not circular.

Using the sander in a circular motion may result in the belt tracking slipping.

**WARNING.** Do not apply too much pressure on the palm belt sander. Pushing down too hard on the belt sander may cause damage or reduce the life of the product. The product is designed for one handed operation applying light pressure.

7. Use the front roller (8) only to sand corners or irregular shapes.

8. Lift the sander off the work before switching off.

9. Remember to keep your hands away from the moving belt, as it will continue to move for a short time after the machine is switched off.



10. Wear safety goggles, a dust mask and ear defenders.

## Dust extraction

1. Disconnect the plug from the power supply
2. A vacuum cleaner adaptor can be used to connect a household vacuum cleaner or workshop dust extraction system to the sander. The adaptor fits into the dust extraction port (5).

As the unit has no self-dust extraction, we suggest you use a vacuum cleaner or other workshop dust extraction system (not included) where possible.

**WARNING.** Never use a dust extraction device when sanding metal. The hot metal particles may cause wood dust or the bag itself to catch on fire.

## General inspection

- Regularly check that all the fixing screws are tight. They may vibrate loose over time.
- The supply cord of the tool and any extension cord used should be checked frequently for damage. If damaged, have the cordset replaced by an authorised service facility. Replace the extension cord if necessary.

## Cleaning

1. Keep the tool's air vents unclogged and clean at all times.
2. Remove dust and dirt regularly. Cleaning is best done with a soft brush or a rag.
3. If the body of the sander needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other cleaning agent.
4. Never use caustic agents to clean plastic parts.



**CAUTION:** Water must never come into contact with the sander.



# GMC customer assist

Attach Your  
Receipt Here

**If your product needs repairing, replacing, technical service or you simply need help or advice, please contact us on our Customer Assist Line 1300 880 001 (Australia) or 0800 445 721 (New Zealand).**

For prompt service we suggest you log your service request online at [www.gmcservice.com.au](http://www.gmcservice.com.au). Should you not have access to the Internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand). 7am – 7pm, 7 days a week (AEST).

**Please note that if repair or replacement is required, you must provide a valid original purchase receipt.**

You will need the following details at hand to log your service request;

**Personal details:** First & Last name, address, pick up address, contact phone numbers, email address

**Product details:** Product number, date of purchase, retailer bought from, State & postcode, receipt number, reason for the request, copy of official purchase receipt

Attach your purchase receipt and save with this Manual for future reference.

Please refer to our website [www.gmcompany.com](http://www.gmcompany.com) for full GMC warranty Terms and Conditions.

